Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| UTILITY |
|--------------------|
| PATENT APPLICATION |
| TRANSMITTAL |

Attorney Docket No. 452612-2000

| PATENT APPLICATION | First In | ventor | Cake, Brian Victor | | | | | |
|---|----------|------------------|----------------------|-----------------|--|--|--|--|
| | Title | PHYSICALLY | SMALL ANTENNA ELEMEN | TS AND ANTENNAS | | | | |
| TRANSMITTAL | | BASED THEREON | | | | | | |
| (Only for new nonprovisional applications under 37 CFR 1.53(b)) | Expres | s Mail Label No. | EU 988129392 US | 77 | | | | |
| | | | | | | | | |

| | A PPI | LICAT | TION ELEMENTS | | Ado | tressed t | o· Mai | l Stop Pate | nt Ani | nlication | | - | |
|---|---|--|--|-------------------------------------|--|---|------------|--------------------------|---------|--------------|-----------|------------------|--|
| See MPEP chapter 600 concerning utility patent application contents. | | | | | | inessed t | Cor P.O | nmissioner . Box 1450 | for Pa | itents | | 46 U.S 0/6491 | |
| 2. X 3. X 4. X | (Submit an original, and Applicant claim See 37 CFR 1 Specification (preferred arrangemer - Descriptive till - Cross Reference - Statement Response - Reference to program listing - Background (conditional background conditional background conditiona | ns small 27. It set forth the of the nees to garding sequen- ing apport the In- try of the tion of cription I Disclude U.S.C. ecuted in a price port/division | [Total Pabelow] ne invention Related Applications g Fed sponsored R & I ace listing, a table, or a endix. envention e Invention the Drawings (if filed) osure 113) [Total State of the part of the p | 7. 8. 9. 10. 11. 12. | or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CFR) b. Specification sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & documents(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney Combined Declaration/Power of Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations | | | | | | | | |
| i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76. | | | | | | 14. Keturn Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach from PTO/SB/35 or its equivalent. 17. Other: Check # 026874 in the amout of \$375.00 | | | | | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:/ Prior application information: Examiner: Group/Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. | | | | | | | | | | | | | |
| The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS | | | | | | | | | | | | | |
| Cust | tomer Number | | | 20999 | | | | or Com | esponde | ence address | below | | |
| Name | | $\neg \top$ | Darren Simon for Fromn | | | | | | | | | | |
| Address | | | 745 Fifth Avenue | | | | | | ~···· | | | | |
| City | | | New York | | State | NY NY | | | 1015 | | 12.500.65 | | |
| Country |) / //E | | US | Telep | | | 2-588-0800 | | Fax | | 12-588-05 | ··· | |
| | Print/Type) | Darre | n M. Simon | \longrightarrow \perp^{R} | egistrat | ion No. (| Attorney | | | | 7,946 | 2002 | |
| Signatur | re | | + Quen M. | Dwo: | | | | Date | | Au | igust 26 | , 2003 | |

Under the Paperwork Reduction Act of 1965, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| 2 | FEE TRANSMITTAL |
|---|------------------------|
| 1 | for FY 2003 |

Effective 01/01/2003. Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)375.00

| Complete if Known | | | | | | | | | | |
|----------------------|--------------------|--|--|--|--|--|--|--|--|--|
| Application Number | Not Yet Assigned | | | | | | | | | |
| Filing Date | Herewith 08/26/03 | | | | | | | | | |
| First Named Inventor | Cake, Brian Victor | | | | | | | | | |
| Examiner Name | Not Yet Known | | | | | | | | | |
| Attorney Docket No. | 452612-2000 | | | | | | | | | |

| METHOD OF PAYMENT (check all that apply) | | | | | | FEE CALCULATION (continued) | | | | | | | | |
|---|----------|---------------|------------|--|--------------------------|-----------------------------|--------------|------------|--------------------|-------------------------------------|--|------------------|-------------|----------|
| Check Credit Card Money Order Other None | | | | | | 3. ADDITIONAL FEES | | | | | | | | |
| | | | | | | Large | Entity | Smal | II Entity | | | | | |
| Deposit Account: | | | | | ee | Fee | Fee | Fee | 5 D | | | | | |
| Deposit Account | | | | 50-0320 | | ľ | Code | \$ | Code | \$ | Fee Des | cription | | |
| | Number | | | | | 1051 | 130 | 2051 | 65 | Surcharge – late filing fee | or nath | Fee Paid | ٦ | |
| Deposit Account | | Fron | nmer La | awrence & Hau | ig LLP | | | | | | Surcharge – late provision | | | \dashv |
| Name | Ļ | | | | | | 1052 | 50 | 2052 | 25 | Cover sheet | ag | | _ |
| | | | - | (check all that apply | | | 1053 | 130 | 1053 | 130 | Non-English specification | | | 4 |
| | ٠, | ndicated be | | Credit any o | • • | | 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex p Requesting publication of 9 | | oon | ┨ |
| Charge a | iny add | ditional fee(| (s) associ | ated with this comn | nunication | L | 1804 | 920* | 1804 | 920* | Examiner action | | | Д. |
| Charge fe | | | elow, exce | ept for the filing fe | e to the above- | İ | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of S Examiner action | SIR after | | |
| | | FE | E CAL | CULATION | • | | 1251 | 110 | 2251 | 55 | Extension for reply within f | irst month | - |] |
| 1. BASIC | FILIN | G FEE | | | | \Box | 1252 | 410 | 2252 | 205 | Extension for reply within s | second month | | |
| | | | | | | | 1253 | 930 | 2253 | 465 | Extension for reply within t | third month | | 1 |
| Large Entity | , . | Small E | Entity | | | ı | 1254 | 1450 | 2254 | 725 | Extension for reply within f | ourth month | | |
| Fee Fee | | Fee | Fee | Fee Descriptio | <u>n</u> Fee Paid | | 1255 | 1970 | 2255 | 985 | Extension for reply within f | ifth month | | _ |
| Code \$ | ۰, | Code | \$ | 1 W. L. & C | 075.00 | , I | 1401 1402 | 320 320 | 2401 | 160 | Notice of Appeal | , | | 4 |
| 1001 75 1002 33 | | 2001 2002 | 375 165 | Utility filing fee Design filing fee | 375.00 | 1 | 1402 | 280 | 2402 2403 | 160 140 | Filing a brief in support of a Request for oral hearing | an appear | - | - |
| 1003 52 | 20 | 2003 | 260 | Plant filing fee | | ┆ ┃ | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public | use proceeding | | 1 |
| 1004 75 1005 16 | 50 60 | 2004 2005 | 375 80 | Reissue filing fee Provisional filing fee | | ┨ | 1452 | 110 | 2452 | 55 | Petition to revive – unavoid | | | - |
| SUBTOTAL (1) (\$)350.00 | | | | | 1 I | 1453 | 1300 | 2453 | 650 | Petition to revive- unintent | | · <u> </u> | 7 | |
| | | | | | | | | 1300 | 2501 | 650 | Utility issue fee (or reissue | e) | | 1 |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | | | | | 1502 | 470 | 2502 | 235 | Design issue fee | • | | 1 |
| Fee from | | | | | | | 1503 | 630 | 2503 | 315 | Plant issue fee | | | 1 |
| Total Claims | 18 | -20** = | Extra Cla | nims below | Fee Paid 0 | 1 | 1460 | 130 | 1460 | 130 | Petitions to the Commission | oner | - | ┨ |
| Independent | 3 | -3** = | 0 | X 84 | = · · · | 1 1 | 1807 | 50 | 1807 | 50 | Processing fee under 37 C | | | 1 |
| Claims Multiple Depend | | J | | $ \hat{x}$ \hat{x} \hat{x} | - 0 | ┨ | 1806 | 180 | 1806 | 180 | Submission of Information | Disclosum Stm | | 4 |
| widitiple Depend | Je,III | | | ^ | | ' 1 | 8021 | 40 | 8021 | 40 | Recording each patent as | | · | \dashv |
| Large Entity | / | Small I | Entity | - | | - | | | | | property (times number of Filing a submission after fi | properties) | | 4 |
| | ee | Fee | Fee | Fee De | scription | | 1809 | 750 | 2809 | 375 | (37 CFR 1.129(a)) | ŕ | : | _ |
| Code | \$ | Code | \$ | | | | 1810 | 750 | 2810 | 375 | For each additional inventi examined (37 CFR 1.129) | | | |
| 1202 1 | 18 | 2202 | 9 | Claims in excess o | f 20 | | 1801 | 750 | 2801 | 375 | Request for continued exa | | | 1 |
| 1201 8 | 34 | 2201 | 42 | Independent claim | s in excess of 3 | | 1802 | 900 | 1802 | 900 | Request for expedited exa application | mination of a de | esign | |
| 1203 28 | 80 | 2203 | 140 | Multiple dependen | t claim, if not paid | | Other fe | e (specify |)) | | аррисации | | | - |
| 1204 8 | 34 | 2204 | 42 | ** Reissue independe | ent claims over original | | | | | | | - L | | |
| 1205 1 | 18 | 2205 | 9 | patent ** Reissue claims in original patent | excess of 20 and over | | | | | | | | | |
| SUBTOTAL (2) (\$)375.00 | | | | | | 1 | | | | | SI | UBTOTAL (3) | (\$) | |
| ** or number previously paid, if greater; For Reissues, see above | | | | | | | * Redu | ced by Ba | sic Filina | Fee | | ., | | |
| SUBMITTED B | | | 7 () | | | | | | | | | Complete (if | applicable) | |
| Name (Print/Type) Daiter M. Simon | | | | | | | | , , | tration Noney/Ager | on No. 47 946 Telephone 212-588-080 | | | | |
| Signature touen M. Imon | | | | | | ~ | | 1 (21(0) | noy/Ager | 19 | <u> </u> | Date | 8/26/03 | |

WARNING: Information on this form may become public. credit card information should not

Transmiss. Information on units form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggesting or reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231... DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AFCommissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450...

Attorney Docket No. 452612-2000

New Patent Application

PHYSICALLY SMALL ANTENNA ELEMENTS AND ANTENNAS BASED THEREON

Express Mail No.: EU 988129392 US

Date of Deposit: August 26, 2003

I hereby certify that this application and the accompanying papers are being deposited with the

United States Postal Service "Express Mail Post Office to Addressee"

service under 37 CFR 1.10 on the date indicated above and is addressed to:

MAIL STOP PATENT APPLICATION COMMISSIONER FOR PATENTS

P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

Leeanne Lawlor

August 26, 2003